

2025-03-07 10:54:00

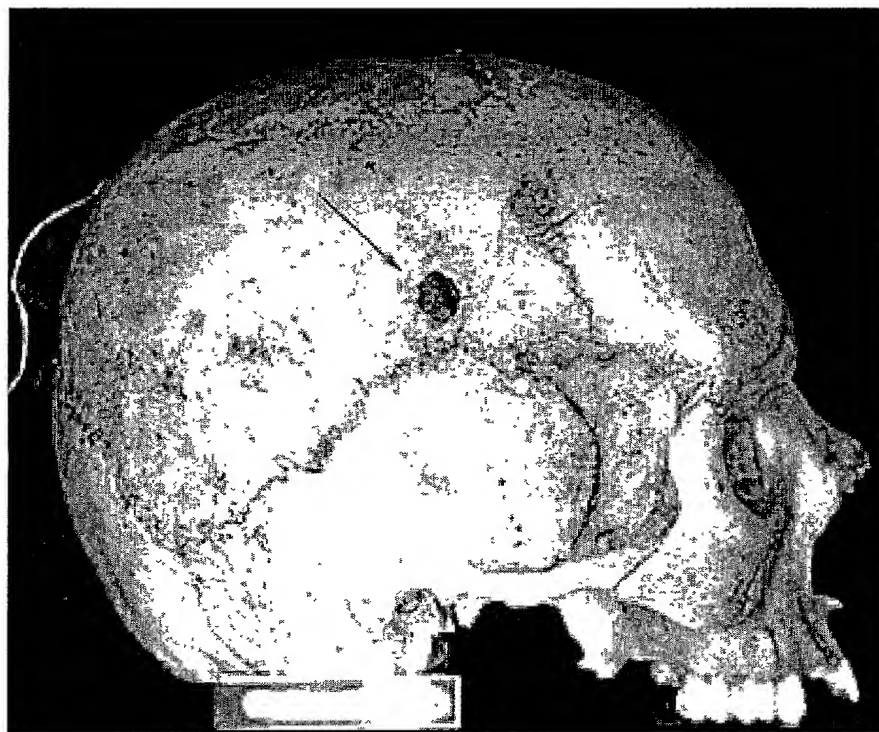


Figure 1: Entrance and exit wounds on right and left parietal bones.

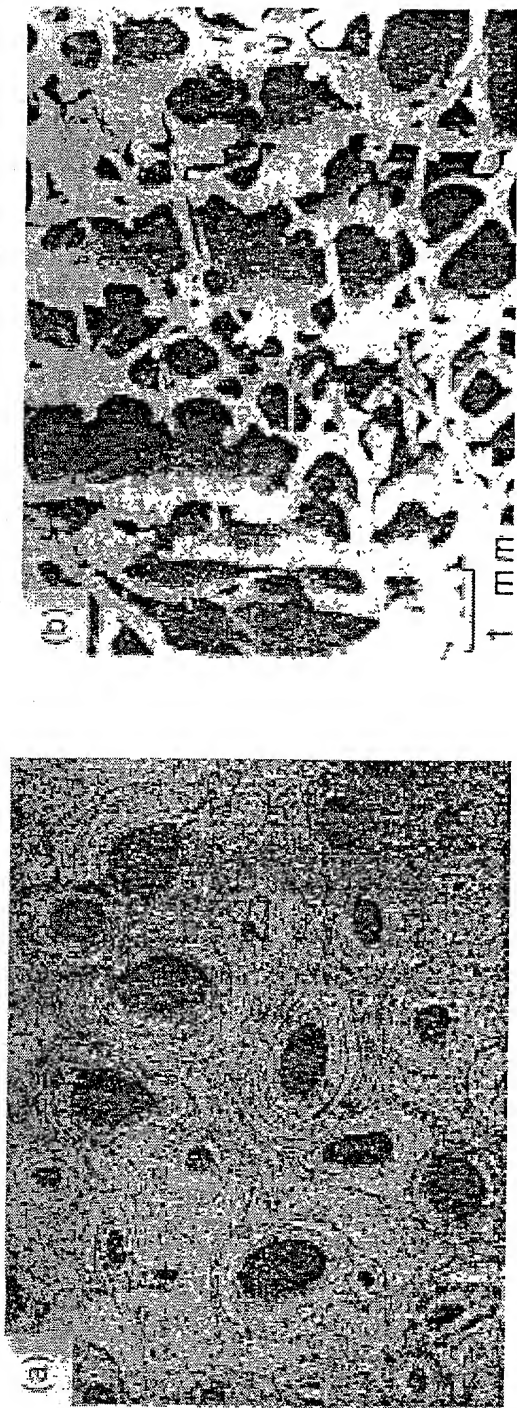


Figure 2. (a) Compact bone. (b) Cancellous bone.

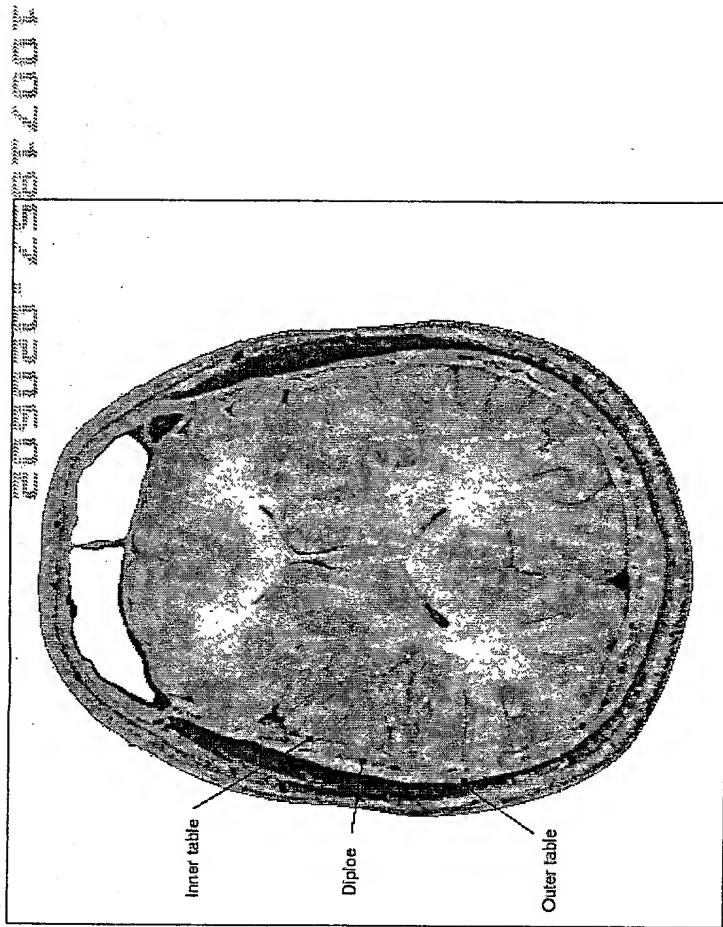


Figure 3: Structure of flat skull bone

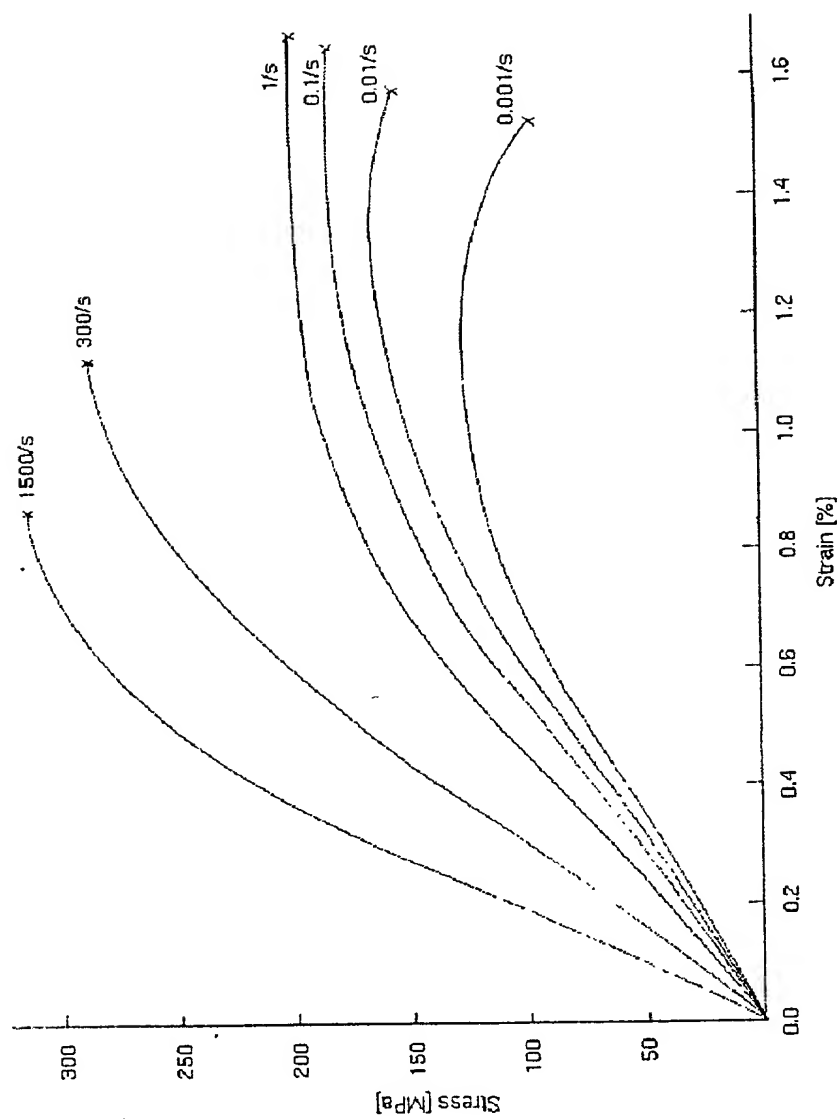


Figure 4

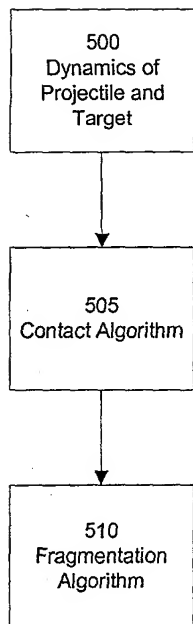


Figure 5A

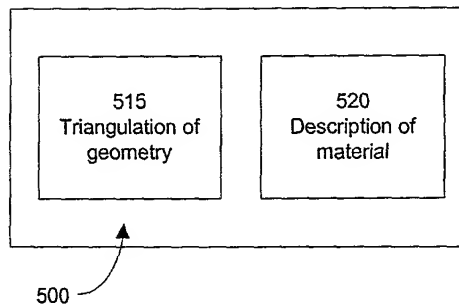


Figure 5B

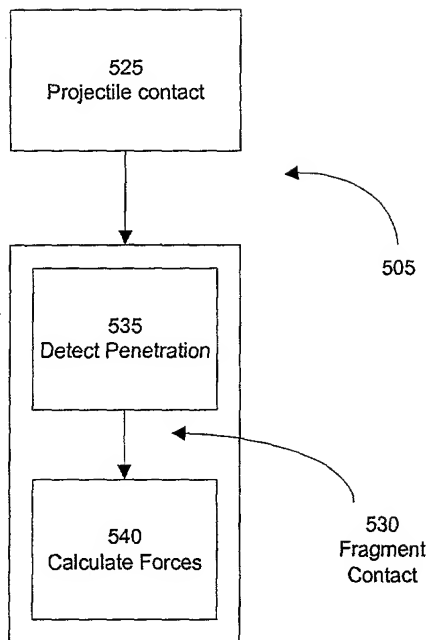


Figure 5C

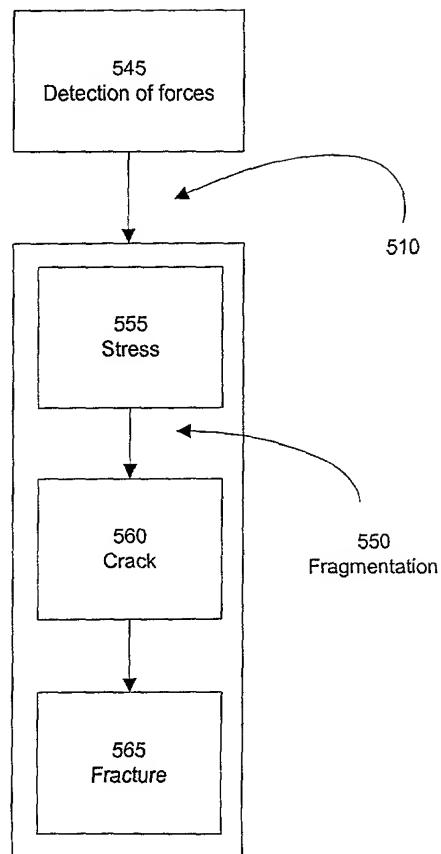


Figure 5D

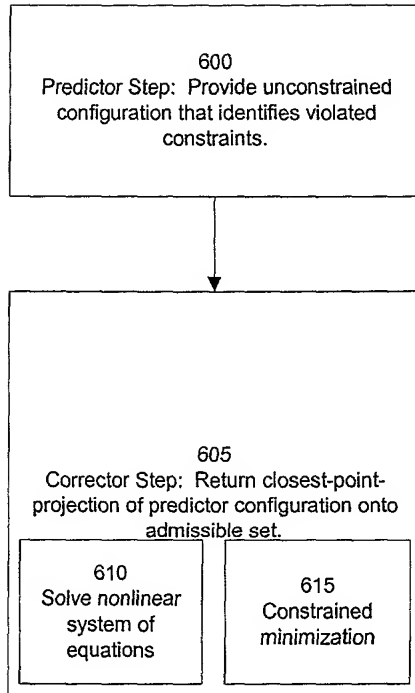


Figure 6

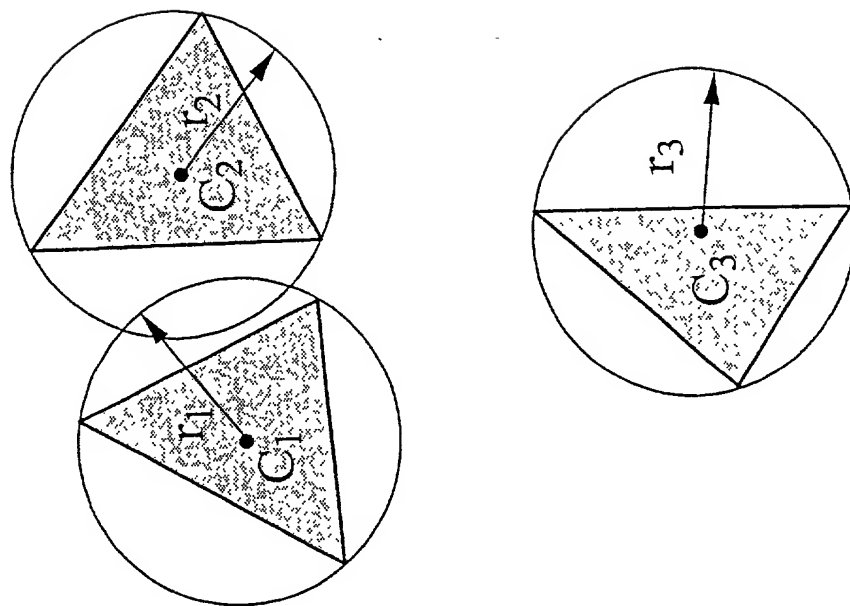


FIGURE 7

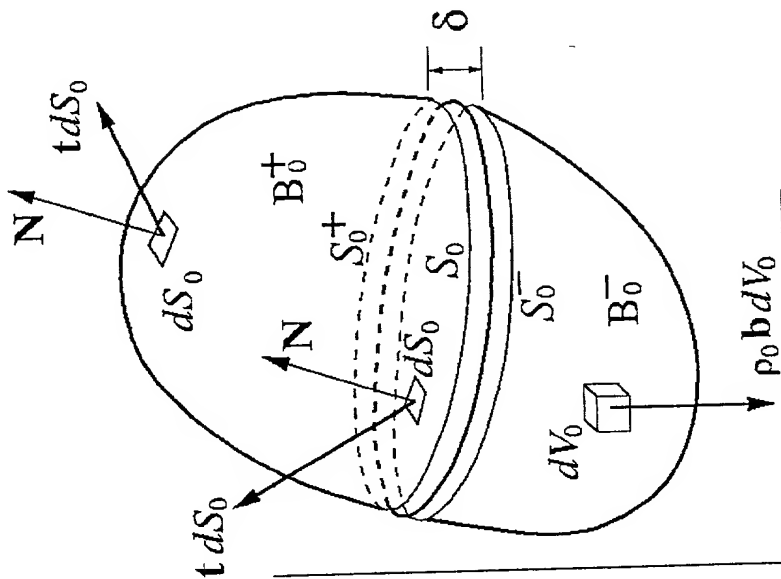


Figure 8: 3D Body with cohesive surface.

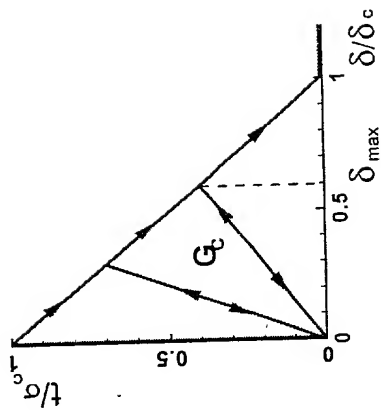


Figure 9: Irreversible cohesive law, with linearly decreasing envelop.

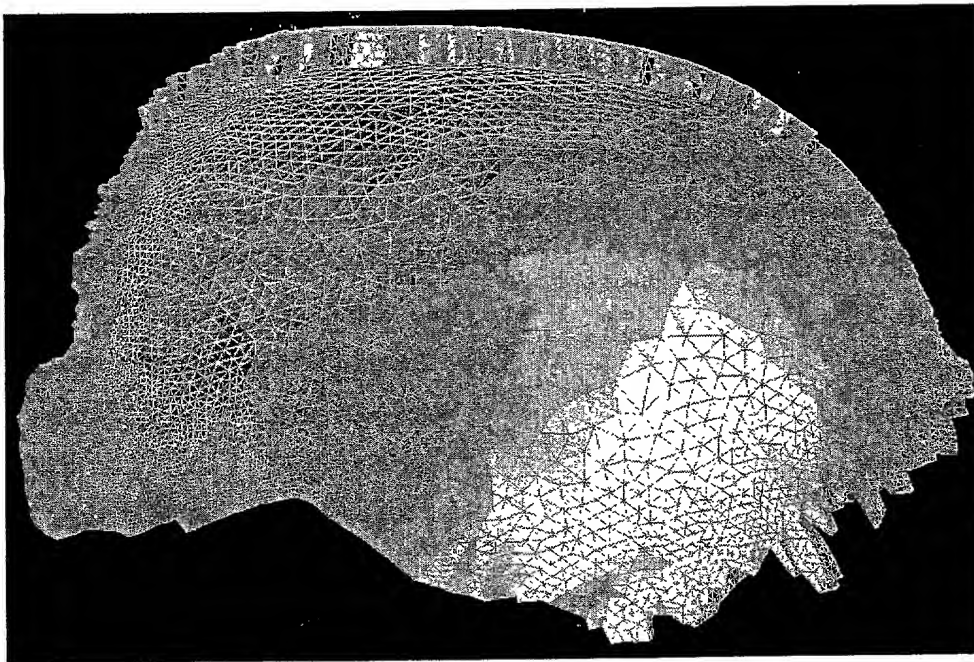


Figure 10: Initial Finite Element Mesh.

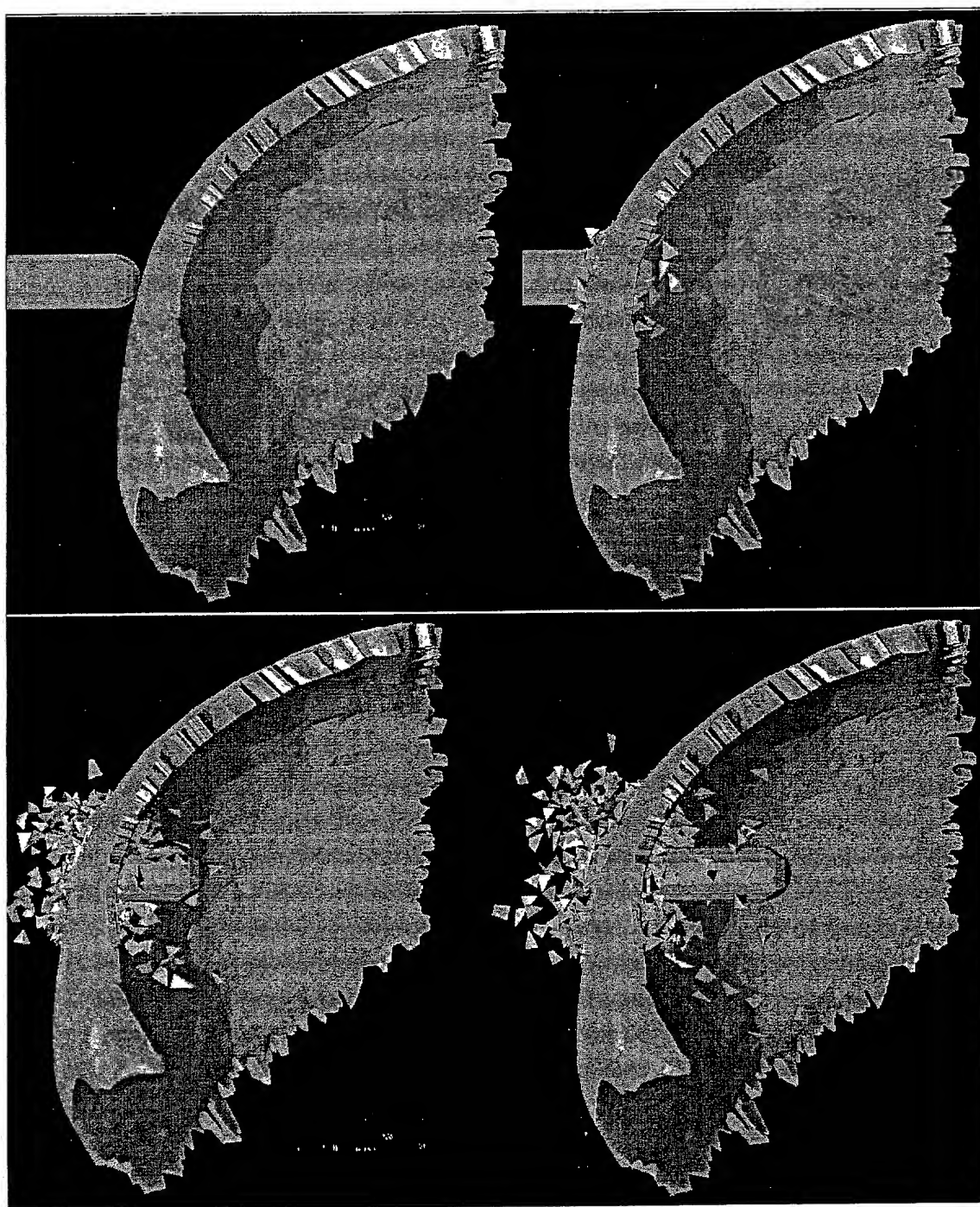


Figure 11: Numerical simulation: snapshots of the deformed configurations at 0, 11, 22 and 33 μ s after the impact. Front view, external side.

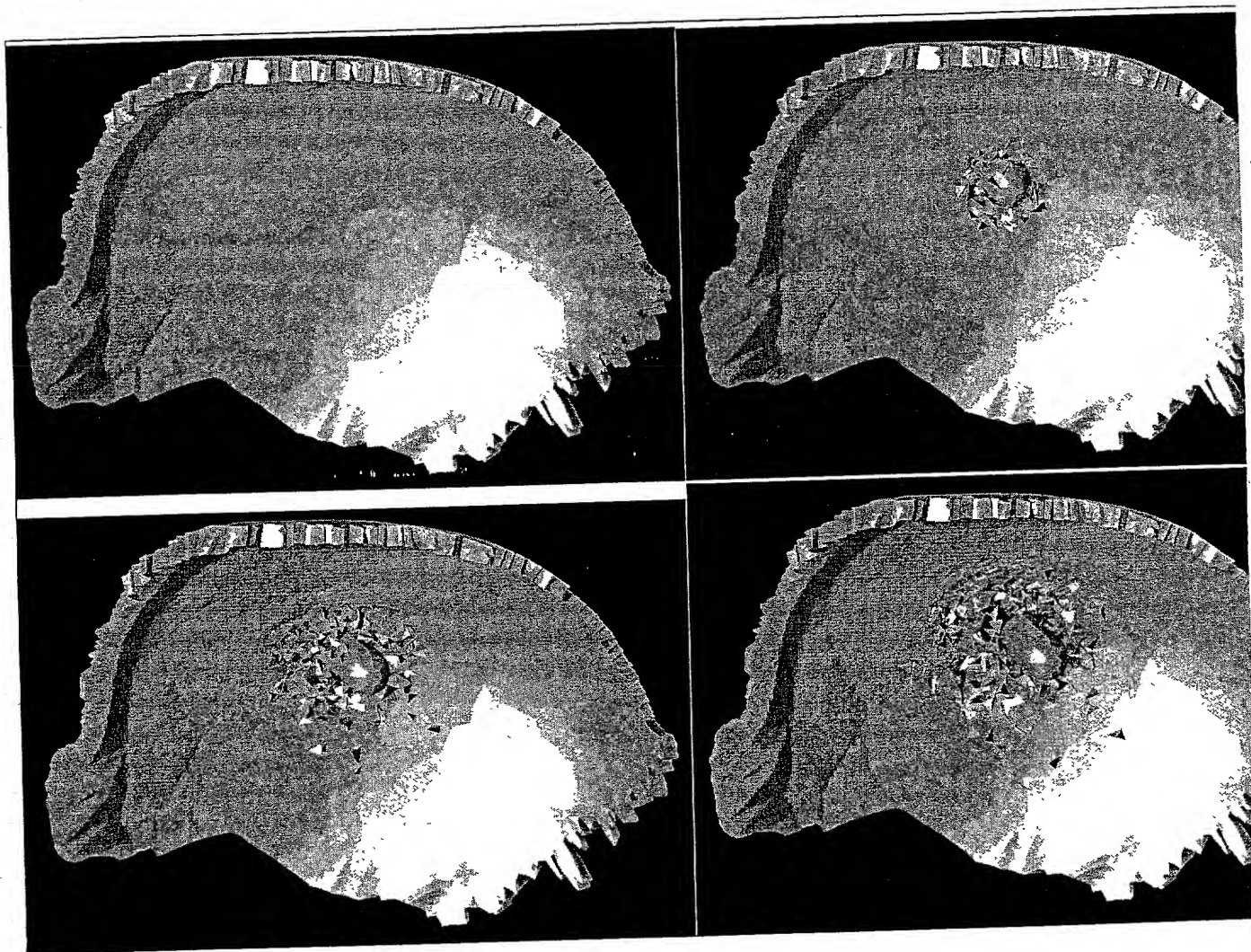


Figure 12: Numerical simulation: snapshots of the deformed configurations at 0, 11, 22 and 33 μ s after the impact. Back view, brain side.

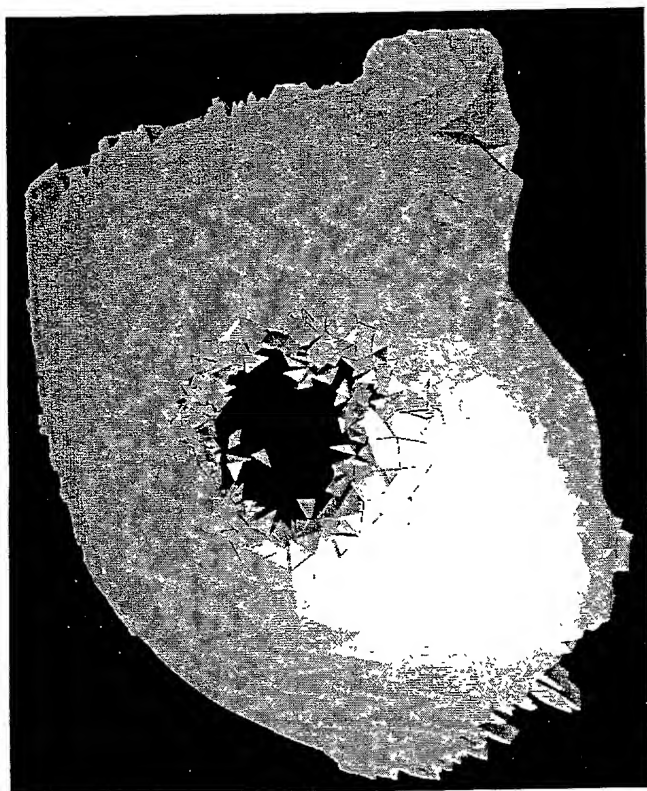


Figure 13: Numerical simulation: final configuration without bullet and flying fragments.